

B1
29. [Amended] A pharmaceutical composition of any one of claims 1, 2, 4-7 or 30-51[through 19].

Please add new claims 30-51:

N 30. (New) A compound of claim 1, wherein said compound is 5-propionate-9-t-butyl doxycycline.

31. (New) A compound of claim 1, wherein said compound is 9-chloro-t-butyl-5-propionate doxycycline.

32. (New) A compound of claim 1, wherein said compound is 9-t-butyl-6-alpha-deoxy-5 -formyloxy-tetracycline.

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33. (New) A compound of claim 1, wherein said compound is 9-t-butyl-6-alpha-deoxy-5-acetoxy-tetracycline.

34. (New) A compound of claim 1, wherein said compound is 9-t-butyl-6-alpha-deoxy-5-propionyloxy-tetracycline.

35. (New) A compound of claim 1, wherein said compound is 9-t-butyl-6-alpha-deoxy-5 -phenylcarbonyloxy-tetracycline.

36. (New) A compound of claim 1, wherein said compound is 9-t-butyl-6-alpha-deoxy-5 -benzylcarbonyloxy-tetracycline.

37. (New) A compound of claim 1, wherein said compound is 9-t-butyl-6-alpha-deoxy-5 -dimethylaminocarbonyloxy-tetracycline.

38. (New) A compound of claim 1, wherein said compound is 9-t-butyl-6-alpha-deoxy-5-cyclopentylcarbonyloxy-tetracycline.

39. (New) A compound of claim 1, wherein said compound is 9-t-butyl-6-alpha-deoxy-5-cyclobutylcarbonyloxy-tetracycline.

40. (New) A compound of claim 1, wherein said compound is 9-t-butyl-6-alpha-deoxy-5 -cyclohexylcarbonyloxy-tetracycline.

41. (New) A compound of claim 1, wherein said compound is 9-t-butyl-6-alpha-deoxy-5 -cycloheptylcarbonyloxy-tetracycline.

42. (New) A compound of claim 1, wherein said compound is 9-[(dimethylamino)-t-butyl]-6-alpha-deoxy-5-formyloxy-tetracycline.

43. (New) A compound of claim 1, wherein said compound is 9-[(dimethylamino)-t-butyl]-6-alpha-deoxy-5 -acetoxy-tetracycline.

44. (New) A compound of claim 1, wherein said compound is 9-[(dimethylamino)-t-butyl]-6-alpha-deoxy-5-propionylcarbonyloxy-tetracycline.

45. (New) A compound of claim 1, wherein said compound is 9-[(dimethylamino)-t-butyl]-6-alpha-deoxy-5-phenylcarbonyloxy-tetracycline.

46. (New) A compound of claim 1, wherein said compound is 9-[(dimethylamino)-t-butyl]-6-alpha-deoxy-5-benzylcarbonyloxy-tetracycline.

47. (New) A compound of claim 1, wherein said compound is 9-[(dimethylamino)-t-butyl]-6-alpha-deoxy-5-dimethylaminocarbonyloxy-tetracycline.

48. (New) A compound of claim 1, wherein said compound is 9-[(dimethylamino)-t-butyl]-6-alpha-deoxy-5-cyclopentylcarbonyloxy-tetracycline.

49. (New) A compound of claim 1, wherein said compound is 9-[(dimethylamino)-t-butyl]-6-alpha-deoxy-5-cyclobutylcarbonyloxy-tetracycline.

50. (New) A compound of claim 1, wherein said compound is 9-[(dimethylamino)-t-butyl]-6-alpha-deoxy-5-cyclohexylcarbonyloxy-tetracycline.

51. (New) A compound of claim 1, wherein said compound is 9-[(dimethylamino)-t-butyl]-6-alpha-deoxy-5-cycloheptylcarbonyloxy-tetracycline.